HVC

HIGH VISCOSITY INDEX HYDRAULIC FLUIDS

220059-220061-220062-220066-220067-220068/01.12

Rev. 1

DESCRIPTION & APPLICATIONS

HVC are specially recommended for hydraulic systems operating at high pressure (higher than 350 bars) and for installations in which there are high temperature variations.

HVC are essentially intended for applications requiring a high viscosity index fluid for general industrial, handling and civil engineering applications.

ADVANTAGES

- High thermal stability fluids which can be used at working temperatures of more than 80°C without deterioration of anti-wear additives.
- Resistance to oxidation.
- Highly hydrolytic and oxidation resistant with an excellent air release, providing long component service life and cleanliness of systems.
- High filterability level fluids (HF0 norm), preventing early clogging of filters.
- Low pour points making cold starting easier.

PERFORMANCES

Satisfies to the following specifications:

CINCINNATI P68(ISO32)/P69(ISO68)/P70(ISO46)
DENISON HF0
DIN 51524 Teil 3 HVLP
ISO 6743 HV
NFE 48603 HV
SS 155434
VICKERS I 286S
VICKERS M2952S

HVC

ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal.
When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

HVC

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA		
ISO VG	-	-	15	22	32
Specific gravity at 15°C	kg/m³	NFT 60101	877	877	877
Kinematic viscosity at 40°C	mm²/s (cSt)	NFT 60100	15	22	32
Kinematic viscosity at 100°C	mm²/s (cSt)	NFT 60100	4	5,3	6,8
Viscosity index	-	NFT 60136	180	180	180
Flash point	°C	NFT 60118	209	216	212
Pour point	°C	NFT 60105	-39	-39	-36
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,77	0,77	0,77
Product number	-	-	220066	220067	220059

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA		
ISO VG	-	-	46	68	100
Specific gravity at 15°C	kg/m³	NFT 60101	877	879	879
Kinematic viscosity at 40°C	mm²/s (cSt)	NFT 60100	46	68	100
Kinematic viscosity at 100°C	mm²/s (cSt)	NFT 60100	9,2	12,7	16,4
Viscosity index	-	NFT 60136	180	180	180
Flash point	°C	NFT 60118	210	216	226
Pour point	°C	NFT 60105	-36	-36	-33
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,77	0,77	0,77
Product number	-	-	220061	220062	220068

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
Oxidation resistance (TOST)	hour	ASTM D943	> 2800
Copper corrosion	-	ASTM D 130	1a
Hydrolysis resistance	Perte de cuivre en mg/cm²	ASTM D2619	0,1
Filtrability	second	DENISON HF 0	100
4 Ball wear (1H, 40 Kg)	Ø mm	ASTM D2266	0,45
Vane pump test	perte de poids en mg	VICKERS	17
Color	-	-	fluorecent green

The average values are given for information only.